

CURABLE, WELDABLE COATING COMPOSITIONS

ABSTRACT

5 A curable coating composition is disclosed comprising a resinous
binder comprising (a) a reaction product of an epoxy-containing polymer with
a compound containing phosphorus acid groups, the reaction product having
reactive functional groups, and (b) a curing agent having functional groups
reactive with the functional groups of (a). An electroconductive pigment is
10 dispersed in (a) such that the weight ratio of the electroconductive pigment to
(a) plus (b) is within the range of 0.5 to 9.0:1. When the curable coating
composition is deposited and cured on a metal substrate, the cured coating is
weldable.